THE NEW MAIN SCIENTIFIC CONTRIBUTION OF THE THESIS

1. **Name of thesis:** The curent situation of carying hepatitis B virus in pregnant women and the results of prevention interventions in Haiphong, 2017 - 2020
2. **Speciality**: Public Health
3. **Code**: 97.20.701
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7. **Summary of new main scientific contribution of the thesis**

The research has contributed to the national data system on the rate of mother-to-child transmission of HBV among mothers with chronic hepatitis B virus in Hai Phong, which has not been studied before in Viet Nam. Performing a longitudinal follow-up study from the first month of pregnancy to the 12-month postpartum period is one of the major challenges. The study results showed that the rate of chronically positive HBsAg pregnant women in Hai Phong was 10.6%. The rate of mother-to-child transmission in the 12 months postpartum period is 8.0%. Factors associated with mother-to-child transmission of HBV include a family history of HBV infection, including the father; the child's HBIg injection status after birth; participation in anti-HBV therapy and the mother's positive HBeAg status ($p < 0.05$). In the multivariable regression model, maternal HBeAg-positive status was the only independent prognostic factor of mother-to-child HBV transmission (OR=65.8; 95%CI: 7.3 – 594; $p < 0.001$).

The research results also show that a low-cost intervention model by means of health education communication on mothers and obstetric health workers is feasible and has positive effects, contributing to changing knowledge, attitudes and behaviors. practices of mothers and health workers on prevention of mother-to-child transmission of HBV. From there, it is aimed at women who are pregnant for the first time and, more broadly, women of childbearing age in order to contribute to accelerating the strategy to eliminate hepatitis B virus.

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